

ABSTRACT

Disclosed is a polyethylene wax defined by the features (i) to (iv): (i) said polyethylene wax is an ethylene homopolymer or a copolymer of ethylene and an α -olefin of 3 to 20 carbon atoms, (ii) a ratio (M_w/M_n) of the weight-average molecular weight (M_w) to the number-average molecular weight (M_n), as measured by GPC, is in the range of 1.7 to 4.0, (iii) the softening point is not higher than 125°C, and (iv) the penetration hardness is not more than 15 dmm. Also disclosed are a lost wax composition for precision casting, which comprises the polyethylene wax, and a method for forming a model for precision casting, which uses the lost wax composition for precision casting.